

Title (en)
PRE-TORQUED ORTHODONTIC APPLIANCE WITH ARCHWIRE RETAINING LATCH

Title (de)
VORGEDREHTE ORTHODONTISCHE VORRICHTUNG MIT BOGENDRAHTHALTENDEM RIEGEL

Title (fr)
APPAREIL ORTHODONTIQUE A APPLICATION PREALABLE DE COUPLE DOTE D'UN DISPOSITIF DE VERROUILLAGE RETENANT UN ARC DENTAIRE

Publication
EP 1843716 A1 20071017 (EN)

Application
EP 05857208 A 20051223

Priority

- US 2005046968 W 20051223
- US 5061505 A 20050202

Abstract (en)
[origin: US2006172249A1] An orthodontic appliance such as a bracket or buccal tube has a latch for retaining an archwire in an archwire slot. The appliance also includes built-torque in order to reduce the need for the practitioner to manually bend the archwire by twisting the archwire about its longitudinal axis during the course of treatment. The latch comprises at least one clip having certain features that significantly reduce strain during opening movements of the clip. As a result, the fatigue life of the clip is enhanced.

IPC 8 full level
A61C 7/28 (2006.01); **A61C 7/30** (2006.01)

CPC (source: EP US)
A61C 7/28 (2013.01 - EP US); **A61C 7/30** (2013.01 - EP US); **A61C 2201/007** (2013.01 - EP US)

Citation (search report)
See references of WO 2006083430A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006172249 A1 20060803; US 7367800 B2 20080506; EP 1843716 A1 20071017; EP 1843716 B1 20180912; JP 2008528231 A 20080731; JP 5069132 B2 20121107; WO 2006083430 A1 20060810

DOCDB simple family (application)
US 5061505 A 20050202; EP 05857208 A 20051223; JP 2007554083 A 20051223; US 2005046968 W 20051223